



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/590,103	04/09/2007	Gregor Jansen	MOS01 P-130	5117
28101 7590 02/02/2010 VAN DYKE, GARDNER, LINN & BURKHART, LLP SUITE 207 2851 CHARLEVOIX DRIVE, S.E. GRAND RAPIDS, MI 49546			EXAMINER CHARLES, MARCUS	
			ART UNIT 3656	PAPER NUMBER
			MAIL DATE 02/02/2010	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/590,103	Applicant(s) JANSEN ET AL.	
	Examiner Marcus Charles	Art Unit 3656	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 October 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5,7,8,10-15 and 17-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5,7,8,10-15 and 17-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

This action is responsive to the amendment filed 10-29-2009, which has been entered.

Claims 1-5, 7-8 and 10-15 and 17-20 are currently pending.

Allowable Subject Matter

1. The indicated allowability of claims 7-9, 14-17 and 20 is withdrawn in view of the prior reference(s) to Koivula et al. (5,608,971). Rejections based on the newly cited reference(s) follow.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-5, 7-8, 10-15 and 17-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over DE (2818170) in view of Koivula et al. (5,608,971). DE (2818170) discloses a rotor block comprising a housing (1) having at least one connecting surface (see above 2 and 3) a plurality of bearing seats (5, 6) for accommodating a bearings (7, 8), as seen in fig.1, the bearing can be dismantle from the housing from the outward direction towards and the rotor can be dismantle can be dismantle towards a side which lies transversely with respect to the former, the bearings seats are adapted to form openings directly configured in the housing wall, without the used of annular bodies, wherein the plurality of pivot bearing seats adapted to form a segment (see 18) greater than a semicircle around one of the bearing to leave a section open on one side in

Art Unit: 3656

relating to the bearings to form a narrowing. DE (2818170) does not disclose the opening side for dismantling the rotor in relation the bearing to form a narrowing is pointing downward. Koivula et al. discloses a housing (4) of a journal box having a plurality of pivot bearing seats for accommodating antifriction bearing, and having a open section side for dismantling the rotor such that the opening forms a narrow opening (see 23, 25) that is pointing downward in order to be able to mount and dismantle the bearing quickly without the complication or moving parts. Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the device of DE (2818170) to include the narrow opening of Koivula et al. in order to be able to mount and dismantle the bearing quickly without the complication or moving parts.

In claim 2, it is apparent that the narrowing (see fig. 5) has a diameter larger than the hub (10).

In claim 3, note it is apparent the bearings are smaller than the opening to allow the bearing to be accommodated in the opening.

In claim 4, note the rotor can be taken out from the free side that is directed from the open segments after the bearings are removed.

In claim 5, it is apparent that the combination and the opening and the segments will produce a cross-section that resembles a key hole.

In claim 7, note the opening of Koivula et al. forms an angled such that the angle is open to the side and joined to the upper region at the narrowing.

In claim 8, note the upper region is approximately three quarters of the circle adjoining the opening.

In claims 10-15 and 17-20, the combination DE (2818170) and Koivula et al. disclose the claimed invention above.

Citation

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Note the prior art cited in attached PTO Form 892.
5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marcus Charles whose telephone number is (571) 272-7101. The examiner can normally be reached on Monday-Thursday 7:30 am to 6:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ridley Richard can be reached on (571) 272-6917. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Marcus Charles
/Marcus Charles/
Primary Examiner, Art Unit 3656